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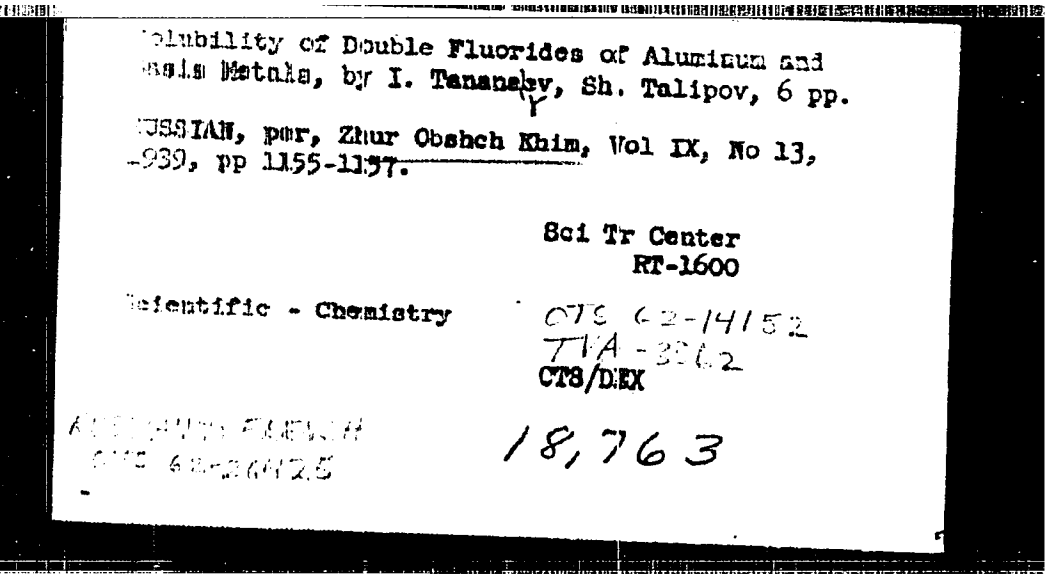

olubility of Double Fluorides of Aluminum and
ali Metals, by I. Tananaev, Sh. Talipov, 6 pp.

USSIAN, pur, Zhur Obshch Khim, Vol IX, No 13,
-939, pp 1155-1157.

Sci Tr Center
RT-1600

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CTS 62-14152
TTA-3262
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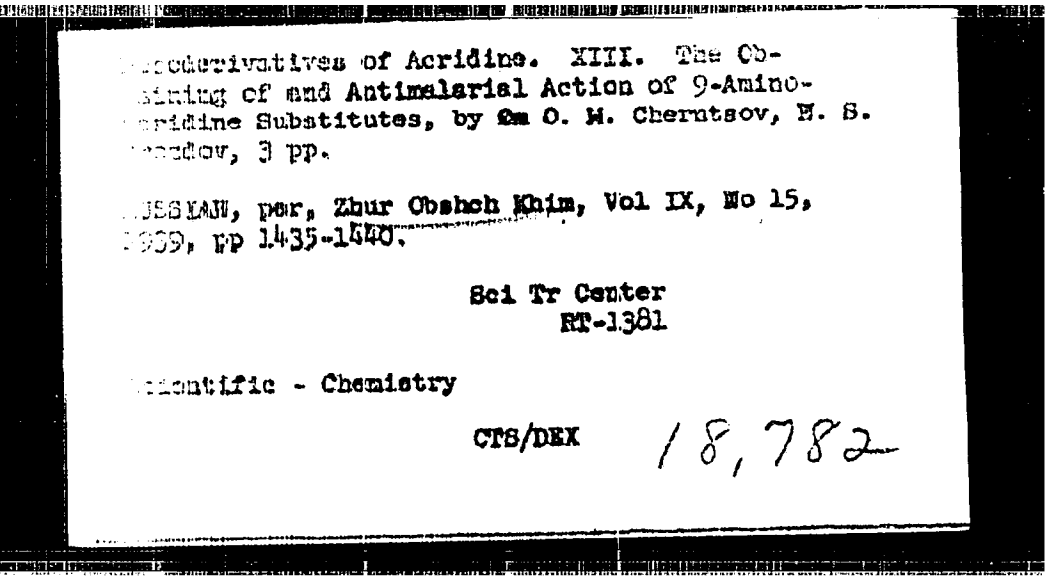

...derivatives of Acridine. XIII. The Ob-
...aining of and Antimalarial Action of 9-Amino-
...cridine Substitutes, by Em O. M. Chernitsov, M. S.
...ranov, 3 pp.

...SSR, per, Zhur Obshch Khim, Vol IX, No 15,
...959, pp 1435-1440.

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Definitionm of the Concepts of "Acid" and "Base", by A. I. Shatenstein, 18 pp.

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AEC Tr 2093

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Chemistry of Titanium, XIV, Formation of Anatase and Rutile in Precipitating TiO_2, by A. V. Pamfilov, E. G. Ivancheva, 6 pp.

RUSSIAN, per Zhur Obshch Khim, Vol XIX, No 19, 1939, pp 1739-1741.

Sci Trans Center RT-874

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Viscosity of the System $AlCl_3$-NaCl, PT. II,
by A. I. Kryagova, 10pp.
RUSSIAN, per, Zhurnal Obshchei Khimii,
Vol 9, No 19, 1939, pp 1759-1763.
K-H-2867 bb.

322,366

Sci - Chemistry
Mar 67

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

The Reaction of Ethylenediamine with Carbon Disulfide. Ethylene Diisothiocyanate, by A. Ya. Yakubovich, V. A. Klimova, UNCLASSIFIED

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RUSSIAN, per, Zhur Obshch Khim, Vol 9, 1939, pp 1777-1782.

Assoc Tech Ser, RJ-72
Price: $11.25 ($1.50)

Scientific - Chemistry 17,847

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Viscosity of the System $AlCl_3$-NaCl. II, by A. I. Kryagova, 12 pp.

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SLA R-2053

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16,056 Jul 54 CIS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Yakubovich, A. Ya. and Klimova, V. A.
ON THE REACTION OF ETHYLENE DIAMINE WITH CARBON DISULFIDE AND ON ETHYLENE-DI-ISO-THIOCYANATE [O Vzaimodeistvii Etilendiamina s Serouglerodom to Etilendiizotiotsyanate]. [1964] [14p] 5refs
Order from OTS, SLA, or ETC $1.60 TT-64-10764

Trans. of [Zhurnal Obshchei Khimii] (USSR) 1939, v. 9 [no. 19] p. 1777-1782.
Other translations are available in Dutch from OTS or ETC $1.40 as TT-61-17714, MTWL-144, 5p; in English from ATS as RJ-72.

(Chemistry--Organic, TT, v. 11, no. 12)

TT-64-10764

I. Yakubovich, A. Ya.
II. Klimova, V. A.
III. ATS-RJ-72

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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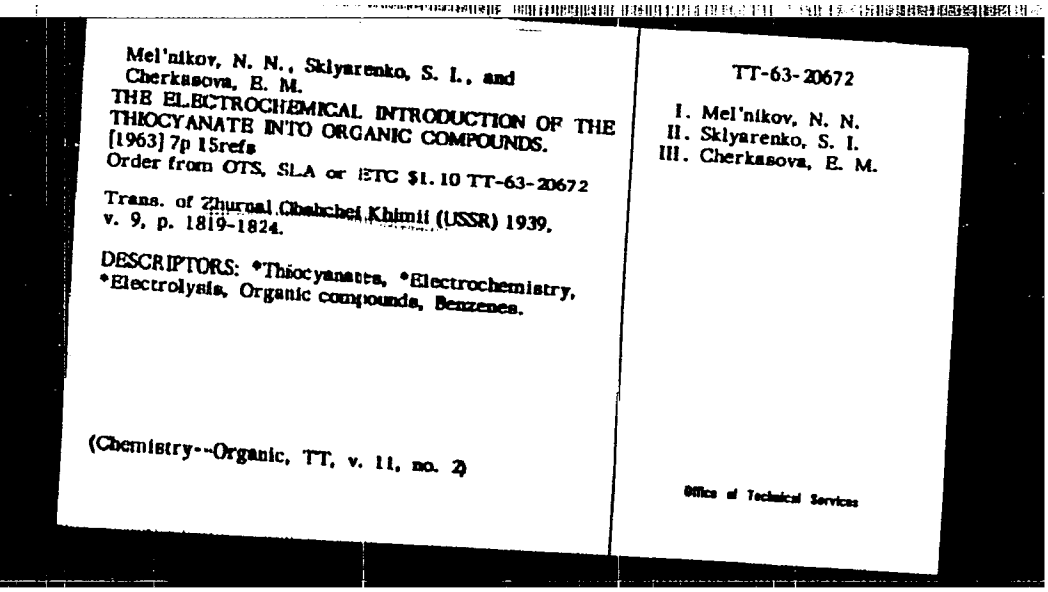

Mel'nikov, N. N., Sklyarenko, S. I., and Cherkasova, E. M.
THE ELECTROCHEMICAL INTRODUCTION OF THE THIOCYANATE INTO ORGANIC COMPOUNDS.
[1963] 7p 15refs
Order from OTS, SLA or ETC $1.10 TT-63-20672

Trans. of Zhurnal Obshchei Khimii (USSR) 1939, v. 9, p. 1819-1824.

DESCRIPTORS: *Thiocyanates, *Electrochemistry, *Electrolysis, Organic compounds, Benzenes.

(Chemistry--Organic, TT, v. 11, no. 2)

TT-63-20672

I. Mel'nikov, N. N.
II. Sklyarenko, S. I.
III. Cherkasova, E. M.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Napthene-Aromatic Hydrocarbons of the Series of Naphthalene and Tetralin With a Cyclopentyl Ring in the Side Chain, by E.S. Pokrovskaya, R.Ya. Sushchik. 7 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 9, No 24, 1939, pp 2291-2301.
SLA TT-61-16857

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Higher-Order Transformations of Urea,
by V. A. Sokolov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X,
1940, pp 165-171.

SLA R-2187

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Aug 58

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Apparent Molar Volumes of Salts in Ammonia and Water Solutions, by E. I. Akhumov, 22 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, 1940, pp 233-246.

SLA R-2471

Sci
Apr 59

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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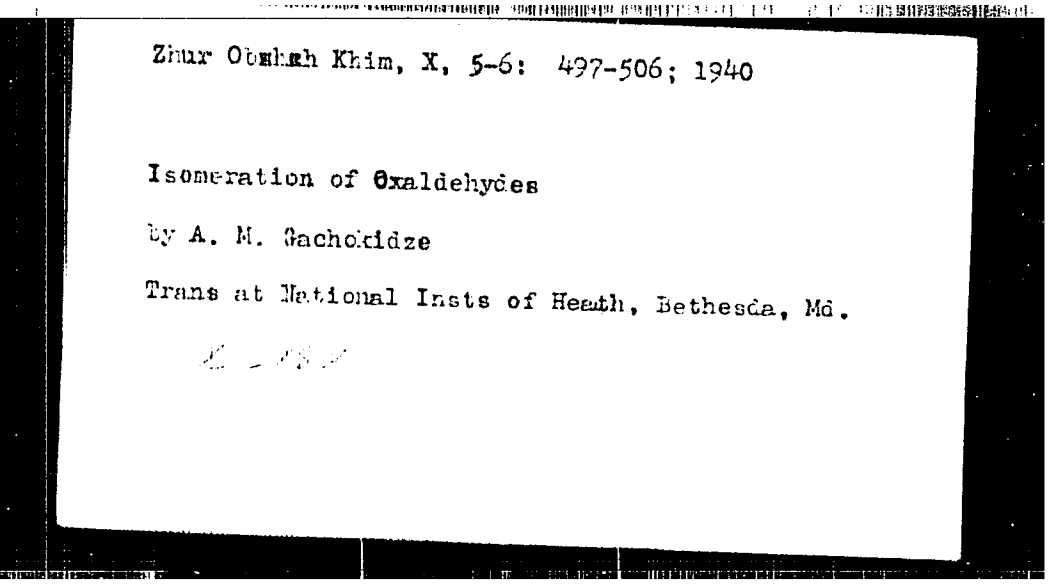

Zhur Obshch Khim, X, 5-6: 497-506; 1940

Isomeration of Oxaldehydes

by A. M. Gachokidze

Trans at National Insts of Health, Bethesda, Md.

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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New Method of Obtaining Titanyl Sulfate. III, by B. E. Bogualavskaya, O. M. Ottomanovskaya, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, No 8, 1940, pp 673-676

Sci Tr Center NR-3972

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Chemistry of Titanium Sulfate. IV, by [redacted]
B. E. Bogueslavskaya, O. M. Ottamanovskaya.

RUSSIAN, per, Zhur Obshch Khim, Vol X, No 8, 1940, pp 677-682.

Sci Tr Center
[redacted] RT-3033

Sci - Chemistry
Jan 1956/CTS No 77

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Batalin, A. Kh. and Shcherbakov, I. A.
THE HEAT OF REACTION OF SULFUR MONOCHLORIDE WITH METHYL AND ETHYL ALCOHOLS. [1961] 5p. 5 refs.
Order from OTS or SLA $1.10 62-10014

Trans. of Zhurnal Obshchei Khimii (USSR) 1940, v. 10, no. 8, p. 730-732.

DESCRIPTORS: *Ethanol, *Methanols, *Sulfur compounds, *Chlorides, *Heat of reaction.

(Chemistry--Organic, TT. v. 7, no. 8)

62-10014

I. Batalin, A. Kh.
II. Shcherbakov, I. A.

201298

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Chemistry of Titanium, XVI, Conversion of Anatase to Rutile Structure, by A. V. Panfilov, A. G. Ivancheva, 16 pp.

RUSSIAN, Zhur Obshch Khim, Vol X, No 8, 1940, pp 736-744.

Sci Trans Center RT-876
DSIR LLN M-1227 (1944)

Scientific - Chemistry
CTS/DEK

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Reactions of Organic a-Oxides With Alcohols and Carbonyl Compounds in the Presence of ~~XXX~~ Boron Trifluoride, by A. A. Petrov, 23 pp.

RUSSIAN, per, Zhur Obsheh Khim, Vol X, No 11, 1940, pp 981-996.

SLA 60-18491

Snd
Vol IV, No 11
Jun 62

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Synthesis of Carbazi-Condensed Systems from Alpha and Alpha'-Aminonicotines, IV. Condansation of Alpha-Aminonicotine with Aceto-Acetic Ester. by M.S. Kondakova, Ya. L. Goldfarb, 9p.
RUSSIAN, per, Zhurnal Obschei Khimii, Vol 10 pp 1065-1068. 1940
K-H 1058 by I Kondakova

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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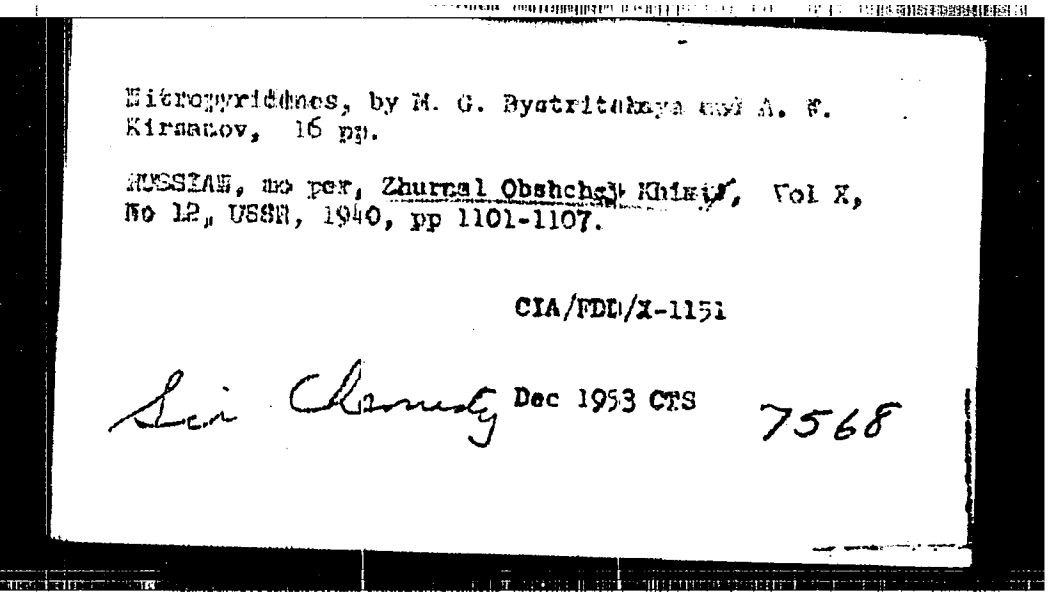

Nitropyridines, by M. G. Bystritskaya and A. F. Kiramov, 16 pp.

RUSSIAN, no per, Zhurnal Obshchej Khimii, Vol X, No 12, USSR, 1940, pp 1101-1107.

CIA/FDD/X-1151

Dec 1953 CTS

7568

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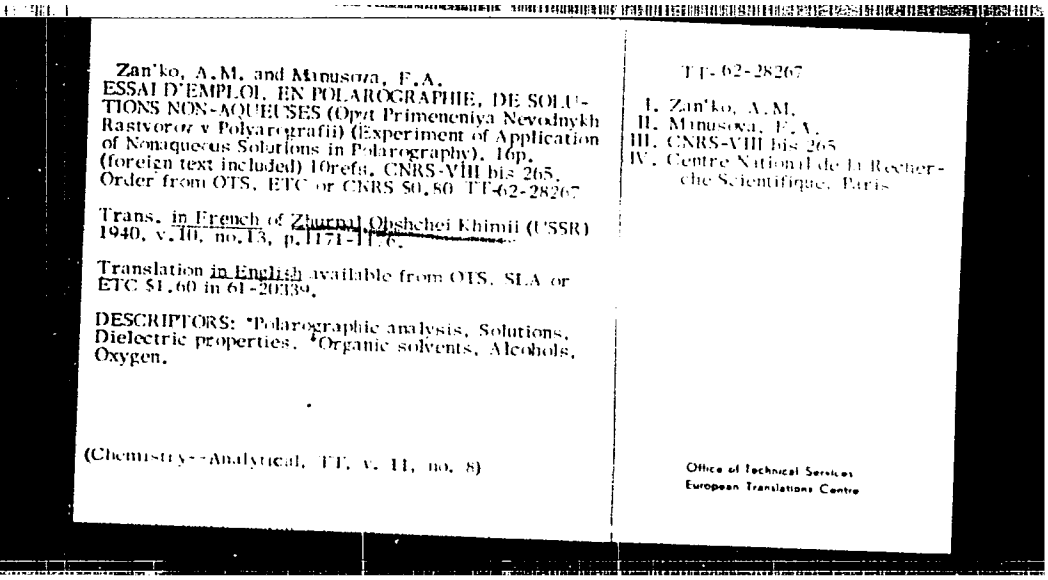

Zan'ko, A.M. and Minusova, F.A.
ESSAI D'EMPLOI, EN POLAROGRAPHIE, DE SOLUTIONS NON-AQUEUSES (Opyt Primeneniya Nevodnykh Rastvorov v Polyarografii) (Experiment of Application of Nonaqueous Solutions in Polarography). 16p. (foreign text included) 10refs. CNRS-VIII bis 265. Order from OTS, ETC or CNRS $0.80 TT-62-28267

Trans. in French of Zhurnal Obshchei Khimii (USSR) 1940, v.10, no.13, p.1171-1176.

Translation in English available from OTS, SLA or ETC $1.60 in 61-20139.

DESCRIPTORS: *Polarographic analysis, Solutions, Dielectric properties. *Organic solvents, Alcohols, Oxygen.

(Chemistry--Analytical, TT, v. 11, no. 8)

TT-62-28267

I. Zan'ko, A.M.
II. Minusova, F.A.
III. CNRS-VIII bis 265
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

V

XXX Action of Diazobenzene on Alkylacetoacetic Esters as a Method of Obtaining Phenylhydrazones of Ketone Actids and Amino Acids, by V. V. Feofilaktov, V. N. Zaytsev, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, No 15, 1940,. pp

Sci Tr Center RT 3128

Scientific - Chemistry 31,052

Feb 56

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Sokov, P. G.
REACTION OF ALPHA-AMINOPYRIDINE WITH BENZYL. Pt. 1 of Reaction of Alpha-Aminopyridine with Diketones. [1962] [8]p. 3 refs.
Order from OTS or SLA $1.10 62-18218

Trans. of Zhur[nal] Obshch[ei] Khim[ii] (USSR) 1940, v. 10 [no. 16] p. 1457-1462.

DESCRIPTORS: *Pyridines, Chemical reactions, *Ketones, *Benzils, Carboxylic acids, Azoles, Amines

When alpha-aminopyridine is heated with benzyl at a temperature of 165-225°, alpha-aminopyridine reacts in the tautomeric pyridonimido form. The primary reaction product is 2, 3-diphenyl-2, 3-dihydrozy-2, 3-dihydropyrimidazole, which in the course of the reaction undergoes pinacolyl rearrangement, forming 2, 2-diphenyl-3-oxo-2, 3-dihydropyrimidazole. The 2, 3-diphenyl-3-oxo-2, 3-dihydropyrimidazole compound for
(Chemistry--Organic, TT, v. 9, no. 5) (over)

62-18218

I. Sokov, P. G.
II. Title: Reaction. . .

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Polymerizing Effect of Dimethyl Sulfate on Ethylenic Compounds. I. Polymerization of Diphenylethylene, by V. N. Belov, B. M. Lebedev.

RUSSIAN, per, Zhur Obshchei Khim, Vol X, No 17, 1940, pp 1503-1506.

Assoc Tech Serv RJ-1A13
" " " 73K23R

Sci - Chem

Apr 59

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Unsaturated Organic Silicon Compounds. Preparation of Hexaacetylene Siloxane and Triethoxysilylphenylacetylene, by Yu. Vol'nov, A. Reutt.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol X, No 17, 1940, pp 1600-1604.
SLA TT 64-30151

May 67 327,189

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Acridyl-9 (omega-haloid methylketone), by G. I. Brar, T. V. Gortinskaya, 4 pp.

RUSSIAN, Zhur Obshch Khim, Vol X, Nos 19, 20, 1940, 1751-1756.

NIH 1-23-60
Sci Trans Center
RT-1378

Scientific - Chemistry Dec 54 CIE/DEX

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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61-20394

JOURNAL OF GENERAL CHEMISTRY, 1940, VOL. 10, NO. 19/20: [TABLE OF CONTENTS] AND SELECTED ABSTRACTS. [1961] 11p. 10 refs.
Order from OTS or SLA $1.60 61-20394

Abstract trans. of Zhurnal Obshchei Khimii (USSR) 1940, v. 10, no. 19/20, p. 1784-1812.

DESCRIPTORS: *Chemistry, Abstracting, Periodicals, USSR, Hydrocarbons, Polymerization, Polycyclic compounds, Anthracenes, Synthesis, Ethyl radicals, Alcohols, Dehydration, Methyl radicals, Reaction kinetics.

Contents:
Kinetics and mechanism of thermal conversion of unsaturated hydrocarbons. VII. Kinetics of polymerization of unsaturated hydrocarbons under low pres-
(Chemistry, TT, v. 7, no. 1) (over)

I. Title: Kinetics...
II. Title: 9-ethyl-...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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The Rate of Hydrogenation of Aromatic Hydrocarbons, V. Polynuclear Aromatic Hydrocarbons, by A. V. Lozovoi,

RUSSIAN, par, Zhur Obshchei Khim, Vol X, No 21, 1940, pp 1843-1854.

ATS RJ-2096

Sci - Chem

May 60

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Investigation of Mixed Crystals, III, by M. M. Popov, S. M. Skuratov, Z. N. Nikonova

RUSSIAN, mo per, Zhur Obshch Khim, Vol X, 1940, pp 2017-2022.

AEC Tr 2348

Scientific - Chemistry
Jan 56 CTS

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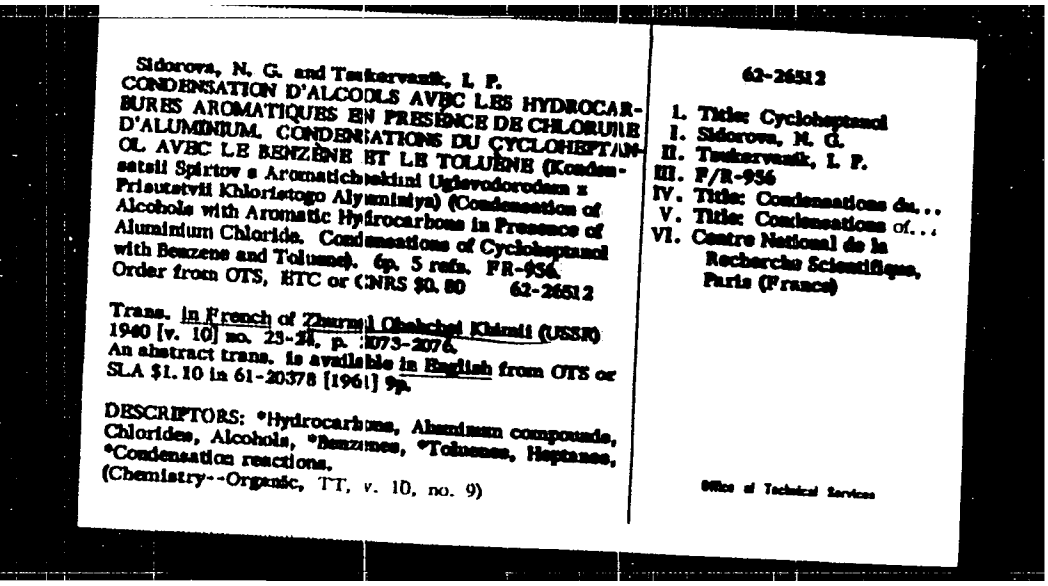

Sidorova, N. G. and Tsukervanik, I. P.
CONDENSATION D'ALCOOLS AVEC LES HYDROCARBURES AROMATIQUES EN PRESENCE DE CHLORURE D'ALUMINIUM. CONDENSATIONS DU CYCLOHEPTANOL AVEC LE BENZENE ET LE TOLUENE (Kondensatsii Spirtov s Aromaticheskimi Uglevodorodami v Prisutstvii Khloristogo Alyuminiya) (Condensation of Alcohols with Aromatic Hydrocarbons in Presence of Aluminium Chloride. Condensations of Cycloheptanol with Benzene and Toluene). 6p. 5 refs. FR-956
Order from OTS, BTC or CNRS $0.80 62-26512

Trans. in French of Zhurnal Obshchei Khimii (USSR) 1940 [v. 10] no. 23-24, p. 2073-2076.
An abstract trans. is available in English from OTS or SLA $1.10 in 61-20378 [1961] 9p.

DESCRIPTORS: *Hydrocarbons, Aluminum compounds, Chlorides, Alcohols, *Benzenes, *Toluenes, Heptanes, *Condensation reactions.
(Chemistry--Organic, TT, v. 10, no. 9)

62-26512

I. Title: Cycloheptanol
I. Sidorova, N. G.
II. Tsukervanik, I. P.
III. F/R-956
IV. Title: Condensations du...
V. Title: Condensations of...
VI. Centre National de la Recherche Scientifique, Paris (France)

Office of Technical Services

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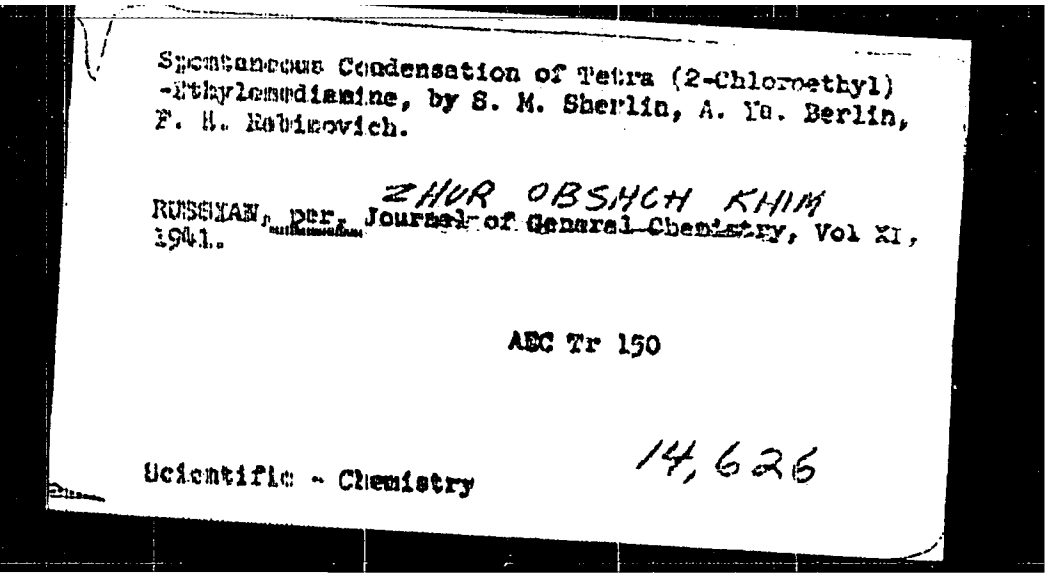

Spontaneous Condensation of Tetra (2-Chloroethyl) -Ethylenediamine, by S. M. Sherlin, A. Ya. Berlin, F. N. Robinovich.

RUSSIAN, per. ZHUR OBSHCH KHIM Journal of General Chemistry, Vol XI, 1941.

AEC Tr 150

Scientific - Chemistry

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Dynamics of Oxidation of Alkyl Substituted Organic Compounds With Chromic Acid. I. Oxidation of Oxidation of 2-methyl-anthraquinone and Its 1-nitro- and 1-chloroderivatives to 2-carbonic Acids of Anthraquinone, by . A. Ilinskiy, V. A. Ka Kasakova, 17 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XI, No 1, 1941, pp 16-22.

Sci Tr Center RT-3759 37,585

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Aug 1956

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Ultraviolet Absorption Spectra of N-phenyl Derivatives of Pyrazolone. III., by V. E. Eliznyukov.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 1, 1941.

AEC Tr 212

Scientific - Chemistry

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Reduction of Some Amides and Substituted Amides, by A. V. Koperina, M. M. Klyucharева, 22 pp.

Full translation.

RUSSIAN, par, Zhur Obshch Khim, Vol XI, No 1, 1941, pp 51-62.

NLL 5838.4/E CIA/FDD/X-994

Scientific - Chemistry Aug 53 CTS/DEK

4579

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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Synthesis of Glucosido-2-Glucose, by A. M. Gakhokidze, 23 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 2, 1941, pp 117-126. 9074516

NIH 1-213-61

Sci - Med
Mar 61

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

The Problem of Measurement of Electric Losses of Aqueous Solutions of Sulfuric Acid, by K. P. Mishchenko,

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 2, 1941, pp 149-156.

Sci - Chemistry

Aug 1956

Assoc Tech Sv RJ-457

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PO Box 271, East Orange N. J.

36,968

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

The Decomposition Mechanism of Sodium Hypochlorite, by T. S. Glikman, B. Y. Dain, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 3, 1941, pp 190-196.

AIS-RJ650

Sci

Aug 59

93,587

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Investigation of the Alkaloids of Trachelanthus Korolkowi, by G. P. Men'shikov, G. M. Borodina, 5 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XI, No 3, 1941, pp 209-212.

Sci Tr Center
RT-2254

Scientific - Chemistry
CIB 70/Jul 55

25,222

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Solubility and Ice Area in the Ternary Systems NaF-HF-H_2O and Na_2O-H_2F_2-H_2O, by I. V. Tananayev, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, 1941, pp 267-275.

GLA R-2299

Sci

Aug 58

72,210

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Zh Obshch Khim Vol 11, page 285-92 (1941)

Electrical Conductivity of Argento-boric Glasses.
by B. I. Markin.

AEC Trans(avail. Brookhaven)

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Petrov, A. A.
RESEARCH ON CONJUGATED SYSTEMS. XIV. CONDENSATION OF DIENE HYDROCARBONS WITH METHYL VINYL KETONE: SYNTHESIS AND PROPERTIES OF 1, 2, 3, 6-TETRAHYDROACETOPHENONE AND ITS DERIVATIVES. [1961] 6p. 48 refs.
Order from OTS or SLA $1.10 61-18039

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 309-313.

DESCRIPTORS: *Hydrocarbons, *Methyl radicals, *Vinyl radicals, *Ketones, Condensation reactions, *Acetophenones, Synthesis, Chemical properties.

Condensation of butadiene, isoprene, 2, 3-dimethylbutadiene and 1, 3-cyclohexadiene with methyl vinyl ketone was investigated. Isolation and determination of the properties of 1, 2, 3, 6-tetrahydroacetophenone is reported, as well as the following derivatives of it:
(Chemistry--Organic, TT, v. 6, no. 8) (over)

61-18039

I. Petrov, A. A.
II. Title: Condensation...
III. Title: Synthesis...

18,513

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Research on a Series of Heterocyclic Ketones,
by M. M. Shemyakin, E. I. Klkina.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 11,
No 4, 1941, pp 349-352.
NRC C-5622
NIL Ref: 8752B 1966

Sci-Chem
Aug 66

308,781

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Heats of Combustion of Aliphatic and Polymethylene Hydrocarbons in Connection With Peculiarities of Their Structure, by V. P. Gol'mov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 5/6, 1941, pp 405-410.

SLA 59-10696

Sci - Chem
Sep 59
Vol 2, No 2

98,000

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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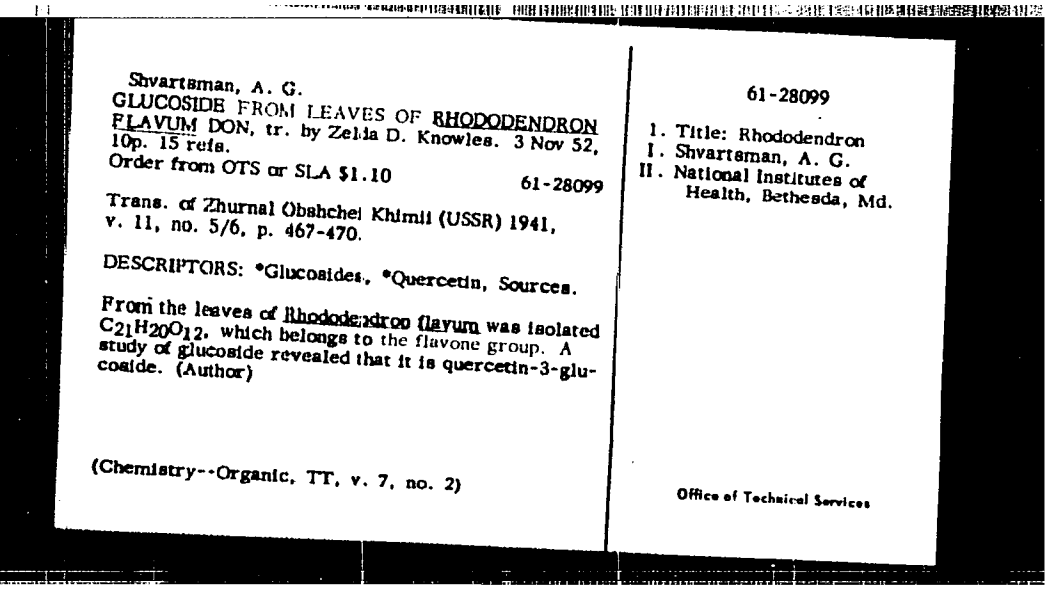

Shvartsman, A. G.
GLUCOSIDE FROM LEAVES OF RHODODENDRON FLAVUM DON, tr. by Zelda D. Knowles. 3 Nov 52, 10p. 15 refs.
Order from OTS or SLA $1.10 61-28099

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 5/6, p. 467-470.

DESCRIPTORS: *Glucosides., *Quercetin, Sources.

From the leaves of Rhododendron flavum was isolated $C_{21}H_{20}O_{12}$, which belongs to the flavone group. A study of glucoside revealed that it is quercetin-3-glucoside. (Author)

(Chemistry--Organic, TT, v. 7, no. 2)

61-28099

1. Title: Rhododendron
I. Shvartsman, A. G.
II. National Institutes of Health, Bethesda, Md.

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Zhdanov, A. K.
HEAT CAPACITIES OF SOME PURE LIQUIDS AND AZEOTROPIC MIXTURES. [1961] 7p. 5 refs.
Order from OTS or SLA $1.10 61-16876

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 7, p. 471-482.

DESCRIPTORS: *Mixtures, Liquids, Boiling, Thermochemistry, Thermodynamics.

The heat capacities under constant pressure (c_p) at approximate temperatures of 0°, 25° and 45° were determined for carbon tetrachloride, n-propyl alcohol, benzene, isobutyl alcohol, toluene and the following azeotropic mixtures: (1) benzene-methyl ethyl ketone; (2) toluene-isoamyl alcohol; (3) benzene-n-propyl alcohol; (4) carbon tetrachloride-n-propyl alcohol; (5) carbon tetrachloride-isobutyl alcohol; (6) toluene - n-propyl alcohol; (7) carbon tetrachloride-isobutyl
(Physics--Thermodynamics, TT, v. 6, no. 9) (over)

61-16876

1. Zhdanov, A. K.

25400

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Zhdanov, A. K.
INCREASE OF ENTROPY IN FORMATION OF AZEOTROPIC MIXTURES. [1961] 5p. 9 refs.
Order from OTS or SLA $1.10 61-16878

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 7, p. 483-492.

DESCRIPTORS: *Entropy, *Mixtures, Boiling, Alcohols.

(Chemistry--Physical, TT, v. 6, no. 6)

61-16878

I. Zhdanov, A. K.

176591

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

JOURNAL OF GENERAL CHEMISTRY, 1941, VOL. 11, NO. 7: [TABLE OF CONTENTS] AND SELECTED ABSTRACTS. [1961] 8p. 16 refs.
Order from OTS or SLA $1.10 61-20373

Abstract trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 7, p. 523-526, 533-536, 567-572.

DESCRIPTORS: Synthesis, Chemistry, Chemical reactions, Abstracting, *Hydrocarbons, *Carbon compounds, *Oxides, *Ethylenes, *Methanes, Ketones, *Butadienes, Hydrogen compounds, *Bromides, *Magnesium compounds, Halides, *Acetals, *Chromium compounds, Phenyl radicals, *Butenes, *Molecular isomerism, Isomeric transitions, Methyl radicals, Alkyl radicals.

Contents:
Synthesis of isoolefins and isoparaffins with a
(Chemistry--Organic, TT, v. 7, no. 1) (over)

61-20373

1. Title: Isoparaffins
I. Title: Reaction...
II. Title: Isomerization...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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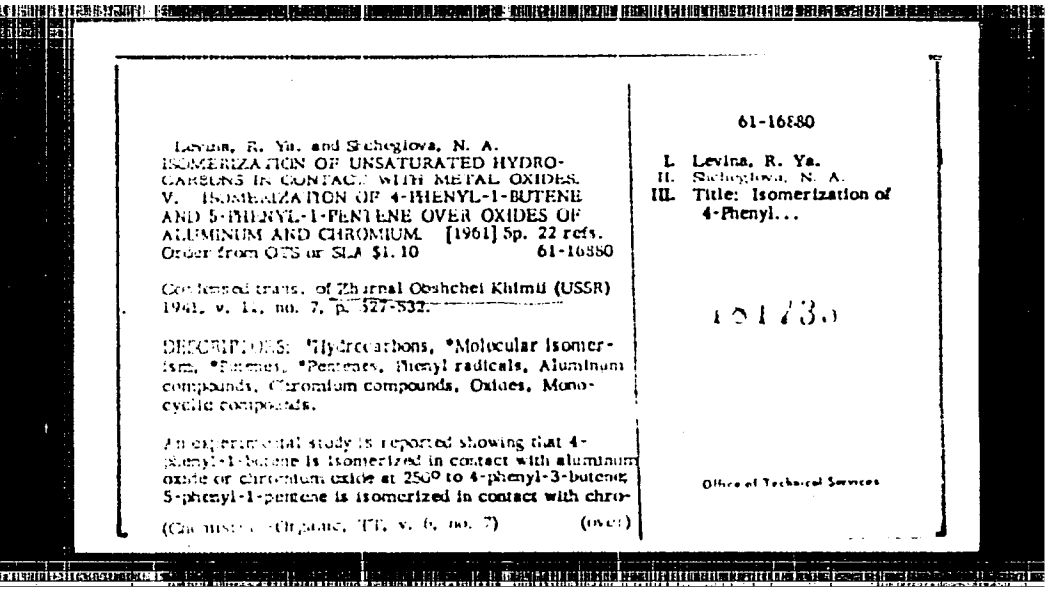

Levina, R. Ya. and Sicheglova, N. A.
ISOMERIZATION OF UNSATURATED HYDROCARBONS IN CONTACT WITH METAL OXIDES. V. ISOMERIZATION OF 4-PHENYL-1-BUTENE AND 5-PHENYL-1-PENTENE OVER OXIDES OF ALUMINUM AND CHROMIUM. [1961] 5p. 22 refs. Order from OTS or SLA $1.10 61-16880

Consultants trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 1., no. 7, p. 527-532.

DESCRIPTORS: *Hydrocarbons, *Molecular isomerism, *Butenes, *Pentenes, Phenyl radicals, Aluminum compounds, Chromium compounds, Oxides, Monocyclic compounds.

An experimental study is reported showing that 4-phenyl-1-butene is isomerized in contact with aluminum oxide or chromium oxide at 250° to 4-phenyl-3-butene; 5-phenyl-1-pentene is isomerized in contact with chro-

(Consultants Organic, TT, v. 6, no. 7) (over)

61-16880

L. Levina, R. Ya.
II. Sicheglova, N. A.
III. Title: Isomerization of 4-Phenyl...

19173

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Table of contents and selected abstracts.

Zhur Obshch Khim, Vol 11, No 7, 1941, pp 567-572.

SLA 61-20373

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Table of contents and selected abstracts.

Zhur Obshch Khim, Vol 11, No 7, 1941, pp 533-536.

SLA 61-20373

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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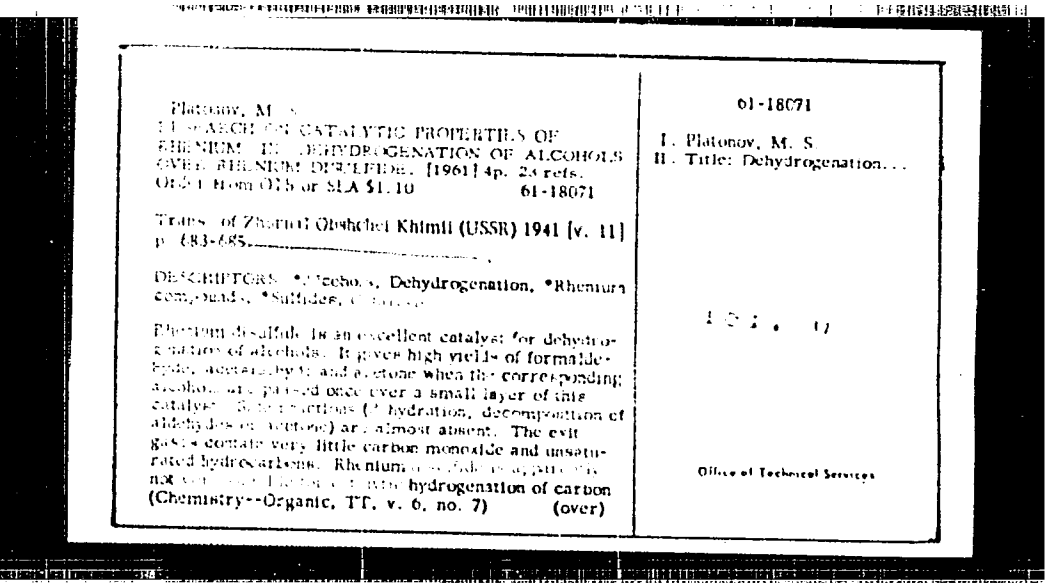

Platonov, M. S.
SEARCH FOR CATALYTIC PROPERTIES OF RHENIUM. II. DEHYDROGENATION OF ALCOHOLS OVER RHENIUM DISULFIDE. [1961] 4p. 23 refs.
OTS: From OTS or SLA $1.10 61-18071

Trans. of Zhurnal Obshchei Khimii (USSR) 1941 [v. 11] p. 683-685.

DESCRIPTORS: *Alcohols, Dehydrogenation, *Rhenium compounds, *Sulfides, Catalysis

Rhenium disulfide is an excellent catalyst for dehydrogenation of alcohols. It gives high yields of formaldehyde, acetaldehyde and acetone when the corresponding alcohols are passed once over a small layer of this catalyst. Side reactions (hydration, decomposition of aldehydes or ketones) are almost absent. The exit gases contain very little carbon monoxide and unsaturated hydrocarbons. Rhenium [illegible] hydrogenation of carbon (Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18071

I. Platonov, M. S.
II. Title: Dehydrogenation...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

The Order of Addition of Hydrogen Halides to Halogen-substituted [illegible]-oxides, by A. A. Petrov, 17 pp.

RUSSIAN, per, Zhur.Obshchei Khimii, Vol XI, No 9, 1941, pp 713-721.

Sci Tr Center RT-2497

USSR
Scientific - Chemistry

28,272

Nov 55
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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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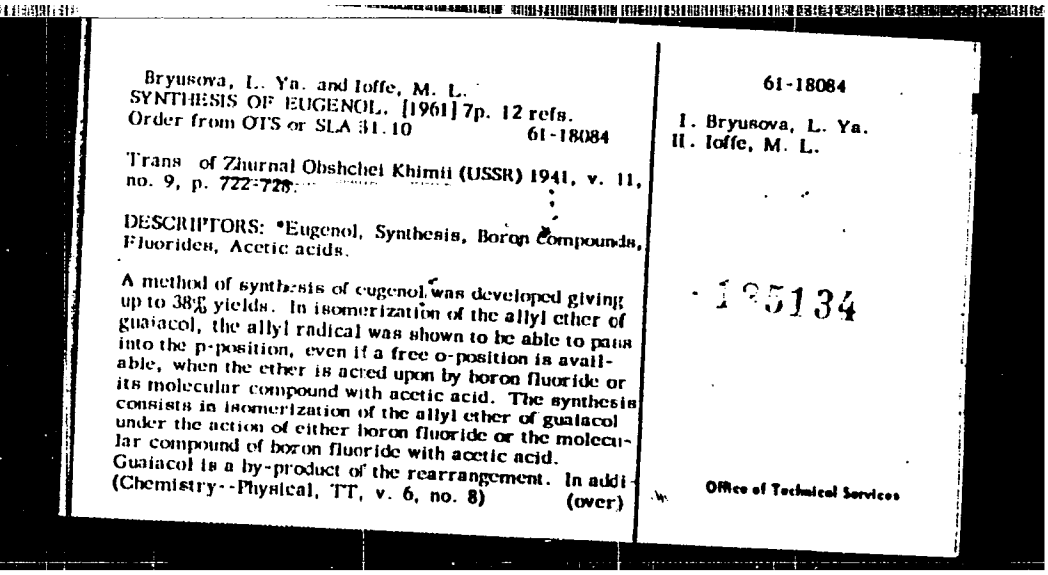

Bryusova, L. Ya. and Ioffe, M. L.
SYNTHESIS OF EUGENOL. [1961] 7p. 12 refs.
Order from OTS or SLA 31.10 61-18084

Trans of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 9, p. 722-726.

DESCRIPTORS: *Eugenol, Synthesis, Boron compounds, Fluorides, Acetic acids.

A method of synthesis of eugenol was developed giving up to 38% yields. In isomerization of the allyl ether of guaiacol, the allyl radical was shown to be able to pass into the p-position, even if a free o-position is available, when the ether is acted upon by boron fluoride or its molecular compound with acetic acid. The synthesis consists in isomerization of the allyl ether of guaiacol under the action of either boron fluoride or the molecular compound of boron fluoride with acetic acid. Guaiacol is a by-product of the rearrangement. In addi-
(Chemistry--Physical, TT, v. 6, no. 8) (over)

61-18084

I. Bryusova, L. Ya.
II. Ioffe, M. L.

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Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

JOURNAL OF GENERAL CHEMISTRY, 1941, VOL. 11, NO. 9: [TABLE OF CONTENTS] AND SELECTED ABSTRACTS. [1961] 5p. 10 refs.
Order from OTS or SLA $1.10 61-20374

Abstract trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 9, p. #683-685, 707-712, 745-756. #A complete trans. is available from OTS or SLA $1.10 as 61-18071 [1961] 4p.

DESCRIPTORS: *Alcohols, Dehydrogenation, *Rhenium compounds, Chemistry, Abstracting, *Sulfides, *Catalysts, Esters, Acetyl radicals, Acetones, *Methyl radicals, Sulfates, Stilbenes, Chemical reactions, *Alkyl radicals, Phenols, Phenyl radicals, Amines.

(Chemistry, TT, v. 7, no. 6) (over)

61-20371

I. Title: Dehydrogenation ...
II. Title: Dimerization ...
III. Title: Interaction ...

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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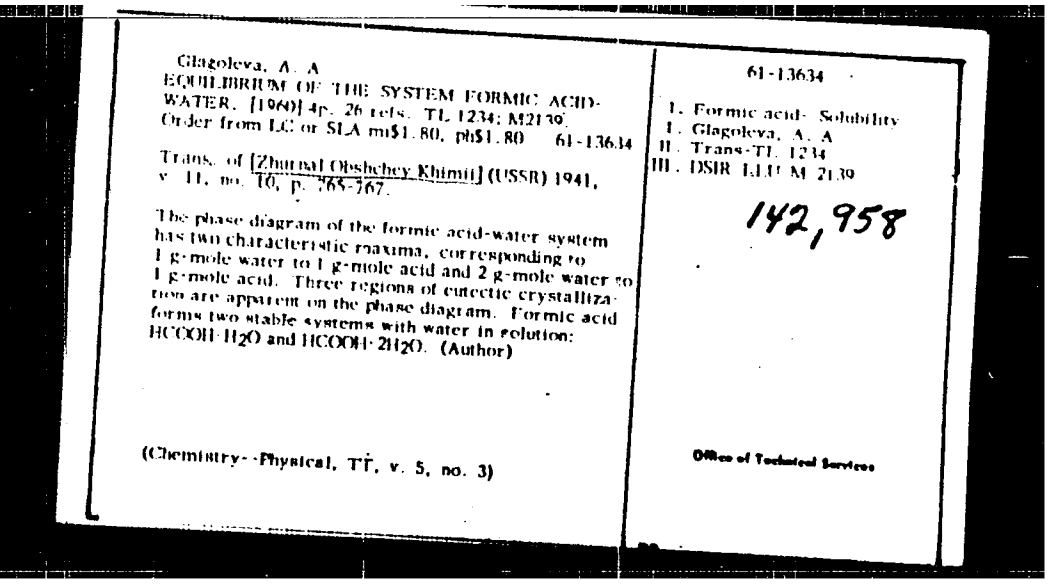

Glagoleva, A. A
EQUILIBRIUM OF THE SYSTEM FORMIC ACID-WATER. [1960] 4p. 26 refs. TL 1234: M2139.
Order from LC or SLA mi$1.80, ph$1.80 61-13634

Trans. of [Zhurnal Obshchey Khimii] (USSR) 1941, v. 11, no. 10, p. 765-767.

The phase diagram of the formic acid-water system has two characteristic maxima, corresponding to 1 g-mole water to 1 g-mole acid and 2 g-mole water to 1 g-mole acid. Three regions of eutectic crystallization are apparent on the phase diagram. Formic acid forms two stable systems with water in solution: $HCOOH \cdot H_2O$ and $HCOOH \cdot 2H_2O$. (Author)

(Chemistry--Physical, TT, v. 5, no. 3)

61-13634

1. Formic acid- Solubility
I. Glagoleva, A. A
II. Trans-TT: 1234
III. DSIR 1.11: M 2139

142,958

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Effect of the Penetrating Ray of Radium on the Colloidal -- Chemical Properties of Gelatin Sols, by A. M. Khenokh, 38 pp.

RUSSIAN, mo per, Zhur Obshch Khim, X No 11, 1941, pp 776 - 786.

OCSO Tr
QM-269

Sci -- Chem

Jan 52 CTS

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Turova-Polyak, M. B. and Sidel'kovskaya, F. P.
ISOMERIZATION OF POLYMETHYLENE HYDROCARBONS UNDER THE ACTION OF ALUMINUM CHLORIDE. VII. ISOMERIZATION OF CYCLOHEPTANE. [1961] 5p. 15 refs.
Order from OTS or SLA $1.10 61-18017

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, [no. 10] p. 817-820.

DESCRIPTORS: *Hydrocarbons, *Cycloheptanes, *Molecular isomerism, Aluminum compounds, Chlorides.

Isomerization of cycloheptane under the action of aluminum chloride was investigated. It was established that aluminum chloride isomerizes cycloheptane to methylcyclohexane to the extent of 97-98%; thus, isomerization of a seven-member naphthene into a six-member naphthene was accomplished. (Author)
(Chemistry--Organic, TT, v. 6, no. 7)

61-18017

I. Turova-Polyak, M. B.
II. Sidel'kovskaya, F. P.
III. Title: Isomerization of Cycloheptane

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Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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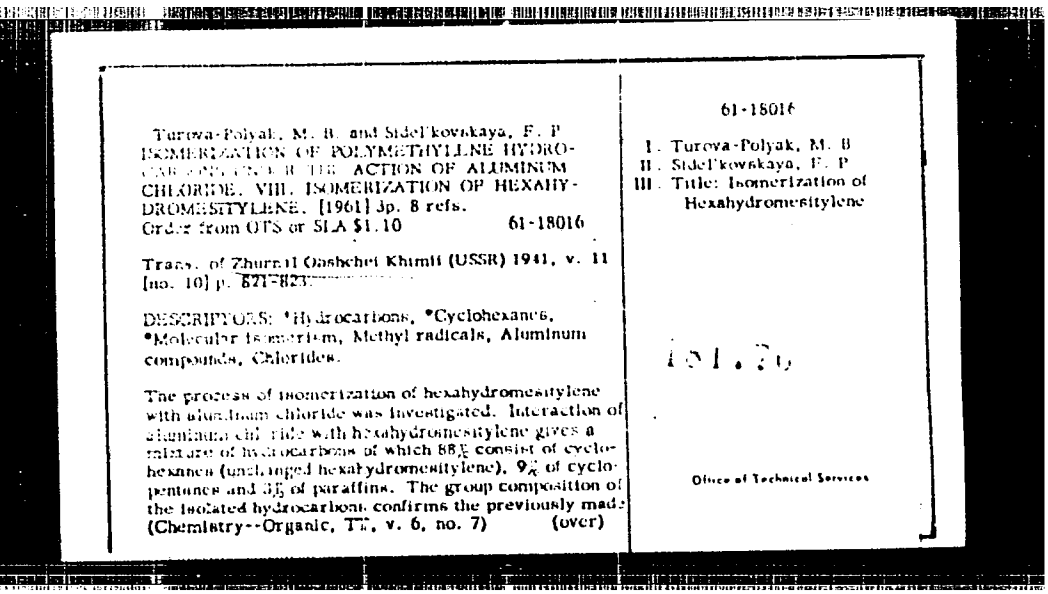

Turova-Polyak, M. B. and Sidel'kovskaya, F. P.
ISOMERIZATION OF POLYMETHYLENE HYDRO-
CARBONS UNDER THE ACTION OF ALUMINUM
CHLORIDE. VIII. ISOMERIZATION OF HEXAHY-
DROMESITYLENE. [1961] 3p. 8 refs.
Order from OTS or SLA $1.10 61-18016

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11
[no. 10] p. 821-823.

DESCRIPTORS: *Hydrocarbons, *Cyclohexanes,
*Molecular isomerism, Methyl radicals, Aluminum
compounds, Chlorides.

The process of isomerization of hexahydromesitylene
with aluminum chloride was investigated. Interaction of
aluminum chloride with hexahydromesitylene gives a
mixture of hydrocarbons of which 88% consist of cyclo-
hexanes (unchanged hexahydromesitylene), 9% of cyclo-
pentanes and 3% of paraffins. The group composition of
the isolated hydrocarbons confirms the previously made
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18016

I. Turova-Polyak, M. B
II. Sidel'kovskaya, F. P
III. Title: Isomerization of
Hexahydromesitylene

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

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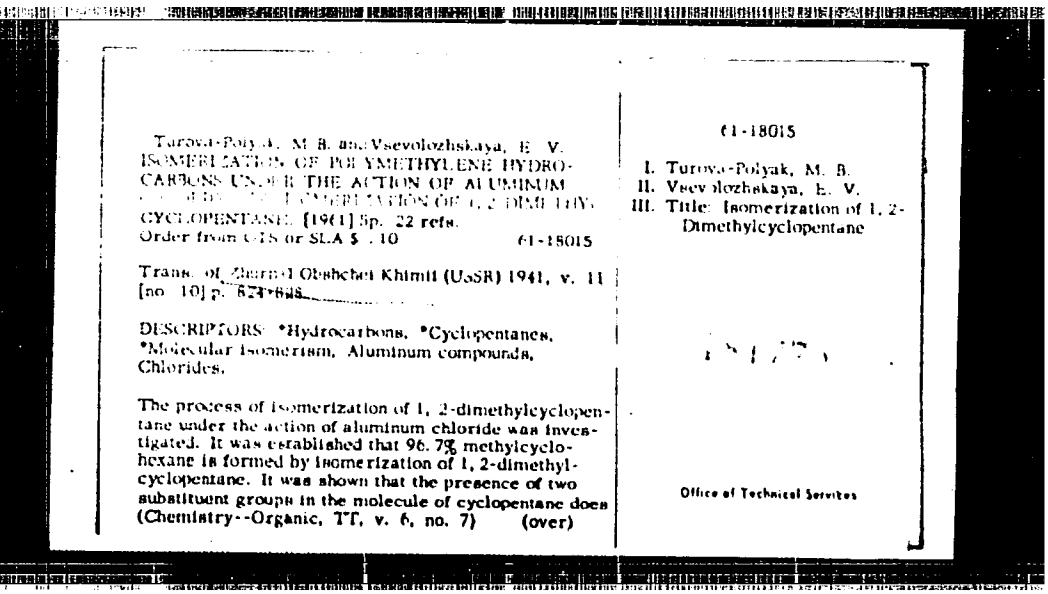

Turova-Polyak, M. B. and Vsevolozhskaya, E. V.
ISOMERIZATION OF POLYMETHYLENE HYDRO-
CARBONS UNDER THE ACTION OF ALUMINUM
[illegible] ISOMERIZATION OF 1, 2-DIMETHYL-
CYCLOPENTANE. [1961] 5p. 22 refs.
Order from CTS or SLA $ .10 61-18015

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11 [no. 10] p. 824-828.

DESCRIPTORS: *Hydrocarbons, *Cyclopentanes, *Molecular Isomerism, Aluminum compounds, Chlorides.

The process of isomerization of 1, 2-dimethylcyclopentane under the action of aluminum chloride was investigated. It was established that 96.7% methylcyclohexane is formed by isomerization of 1, 2-dimethylcyclopentane. It was shown that the presence of two substituent groups in the molecule of cyclopentane does
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18015

I. Turova-Polyak, M. B.
II. Vsevolozhskaya, E. V.
III. Title: Isomerization of 1, 2-Dimethylcyclopentane

Office of Technical Services

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Investigation of the Alkaloids of Senecio Othonnae, by E. S. Zhdanovich, G. P. Men'shikov, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 10, 1941, pp 835-838.

28,942 Sci Tr Center
XX RT-2255

Scientific - Chemistry Dec 55 CTS/DEX

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Acridyl-9-(omega-haloidmethylketone). II. Production of 2-methoxy-6-chloracridin, by G. I. Braz, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 10, 1941, pp 851-858.

Sci Trans Center
RT-1379

14,625

Scientific - Chemistry Dec 54 CTS/DEK

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Equilibrium in the System Urea-Monoammonium Phosphate-Water, by V. P. Blindin, 7 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XI, 1941, pp 887-890.

SLA R-2855

Sci

Jul 59

92, 395

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

The Kinetics and the Mechanism of the Oxidation-Reactions Reduction-Reactions. VI. The Kinetics of the Oxidation Reaction of the Ferrocyanide by Bichromate; The Jet Method, by V. F. Stefanovskiy. RUSSIAN, per. Zhur Obshch Khim, Vol XI, 1941, pp 963-969.
AEC-IS-Tr-16

Sci-Chem
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282,621

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Delimarskii, Yu. K.
EQUILIBRIUM BETWEEN SOME MOLTEN METALS AND THEIR BROMIDES IN ALUMINUM BROMIDE-POTASSIUM BROMIDE AS SOLVENT. [1962] 21p.
Order from K-H $26.25 K-H 5866 g

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, no. 13/14, p. 1081-1091.

DESCRIPTORS: *Liquid metals, *Aluminum compounds, *Potassium compounds, *Bromides, Chemical equilibrium.

CFSTI TT-64-18404

(Chemistry--Physical, TT, v. 9, no. 11)

63-12934

I. Delimarskii, Yu. K.
II. K-H-5866-g
III. Kresge-Hooker Science Library Associates, Detroit, Mich.

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Petrov, A. D. and Shchukin, V. I.
ISOMERIZATION OF NORMAL HEPTENE TO METHYLDIETHYLETHYLENE AND OF NORMAL OCTENE TO DIMETHYLBUTYLETHYLENE. [1961]
Sp. 8 refs.
Order from OTS or SLA $1.10 61-16934

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 1092-1095.

DESCRIPTORS: *Octenes, Isomerism, Chain reactions, *Ethylenes, *Hydrocarbons, Raman spectroscopy, Heptenes, Methyl radicals, Ethyl radicals, Butyl radicals.

Isomerization of normal 1-heptene to methyldiethylethylene and of normal 1-octene to dimethylbutylethylene was established. The difference in the schemes of isomerization of normal olefins into branched chain
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16934

I. Petrov, A. D.
II. Shchukin, V. I.

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Petrov, A. D., Verentsova, N. I., and Kokleeva, T. A.
SYNTHESIS OF 2-METHYL-4-HEXYNE AND 2,6-DIMETHYL-3-HEPTYNE. [1961] 5p. 12 refs.
Order from OTS or SLA $1.10 61-16935

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 1096-1099.

DESCRIPTORS: Hydrocarbons, Synthesis, Antiknock, *Fuels, Methyl radicals, *Heptynes, *Hexynes.

Synthesis of two new hydrocarbons is reported, 2-methyl-4-hexyne and 2,6-dimethyl-3-heptyne. Antiknock properties of acetylenic hydrocarbons have been evaluated. (Author)

(Chemistry--Organic, TT, v. 6, no. 9)

61-16935

I. Petrov, A. D.
II. Verentsova, N. I.
III. Kokleeva, T. A.

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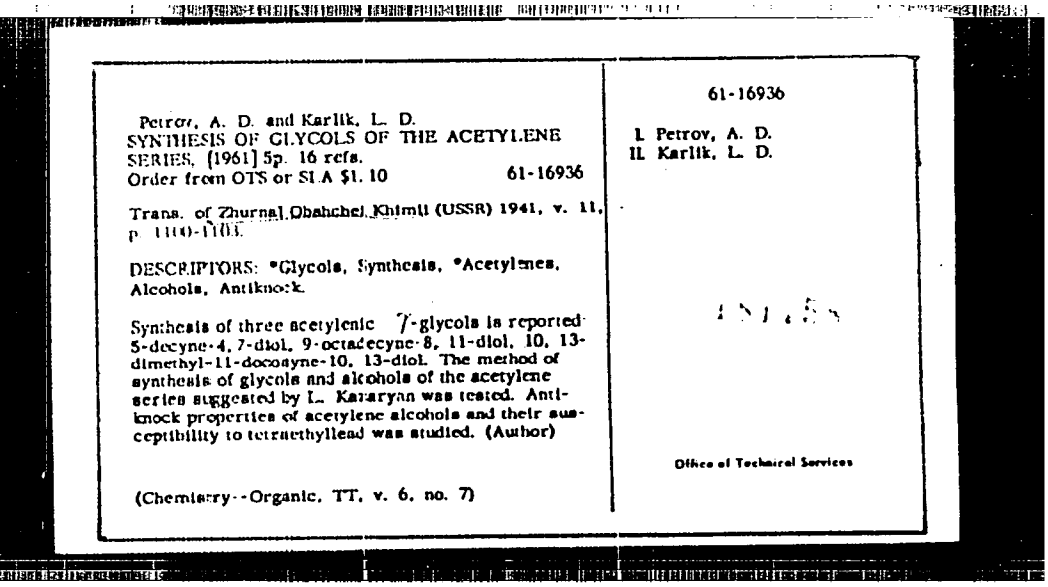

Petrov, A. D. and Karlik, L. D.
SYNTHESIS OF GLYCOLS OF THE ACETYLENE SERIES. [1961] 5p. 16 refs.
Order from OTS or SLA $1.10 61-16936

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 1100-1103.

DESCRIPTORS: *Glycols, Syntheses, *Acetylenes, Alcohols, Antiknock.

Synthesis of three acetylenic γ-glycols is reported: 5-decyne-4, 7-diol, 9-octadecyne-8, 11-diol, 10, 13-dimethyl-11-docosyne-10, 13-diol. The method of synthesis of glycols and alcohols of the acetylene series suggested by L. Kazaryan was tested. Antiknock properties of acetylene alcohols and their susceptibility to tetraethyllead was studied. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16936

I. Petrov, A. D.
II. Karlik, L. D.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Petrov, A. D., Pavlov, A. M., and Makarov, Yu. A. SYNTHESIS OF 3-ETHYLDECANE AND 2,5-DIMETHYLUNDECANE. [1961] 3p. 4 refs.
Order from OTS or SLA $1.10 61-16937

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 1104-1106.

DESCRIPTORS: Synthesis, Antiknock, Halogenation, *Hydrocarbons, Chain reactions, *Fuels, Ethyl radicals, Methyl radicals.

Syntheses of two new paraffins are reported, 3-ethyldecane and 2,5-dimethylundecane. Antiknock properties and pour points of three normal and branched chain paraffins with 12 and 13 carbon atoms have been evaluated. (Author)

(Chemistry--Organic, TT, v. 6, no. 9)

61-16937

I. Petrov, A. D.
II. Pavlov, A. M.
III. Makarov, Yu. A.

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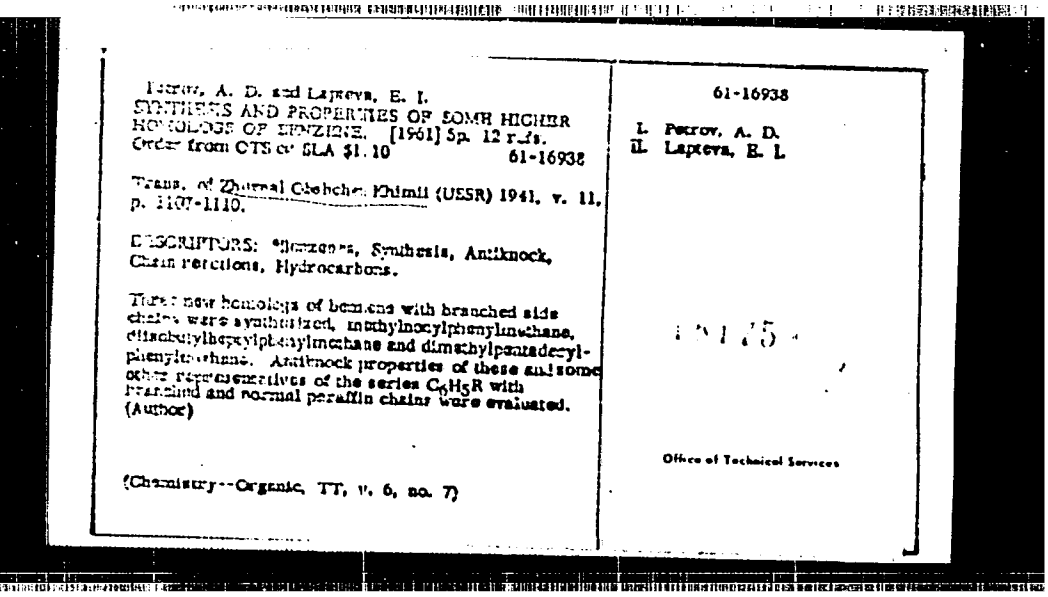

Petrov, A. D. and Lapteva, E. I.
SYNTHESIS AND PROPERTIES OF SOME HIGHER HOMOLOGS OF BENZENE. [1961] 5p. 12 refs.
Order from OTS or SLA $1.10 61-16938

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 1107-1110.

DESCRIPTORS: *Benzenes, Synthesis, Antiknock, Chain reactions, Hydrocarbons.

Three new homologs of benzene with branched side chains were synthesized, methylnonylphenylmethane, dimethylheptylphenylmethane and dimethylpentadecylphenylmethane. Antiknock properties of these and some other representatives of the series C_6H_5R with branched and normal paraffin chains were evaluated. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16938

I. Petrov, A. D.
II. Lapteva, E. I.

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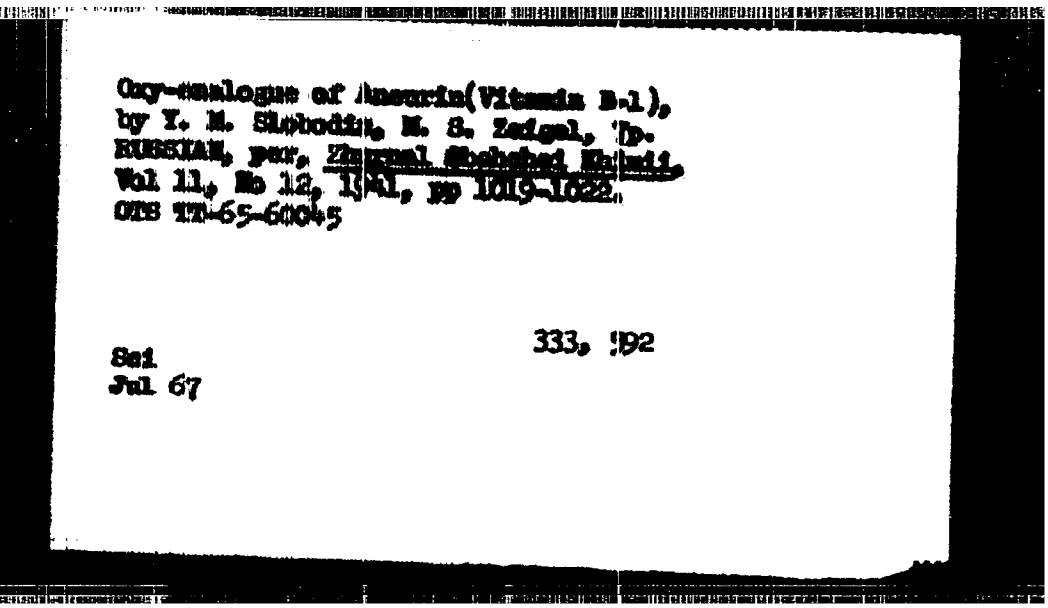

Oxy-analogue of Aneurin(Vitamin B-1),
by I. M. Slobodin, M. S. Zeigal, Pp.
RUSSIAN, per. Zhurnal Obshchei Khimii,
Vol 11, No 12, 1941, pp 1019-1022.
OTS 17-65-60045

333, 192

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

The Condensation of Acetylene With Ketols, by A. E. Favorskiy, A. S. Onishchenko.

RUSSIAN, per, Zhur Obshch Khim, Vol XI, No 13/14, 1941, PP 1111-1120.

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SLA 60-16903

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Sci - Chem

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Kazanskii, B. A., Liberman, A. L. and others.
RELATIVE EFFICIENCIES OF LABORATORY DISTILLATION COLUMNS OF DIFFERENT CONSTRUCTION. [1961] 10p. 25 refs.
Order from OTS or SLA $1.10 61-16657

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 112-125.

DESCRIPTORS: *Towers (Chemistry) Liquids, Mixtures, Separation, Distillation plants.

An experimental comparison of a number of fractionating columns, including those designed by Lebel, Vigreux, Arbuzov, Widmer, Dobryanskii and Gal'pern, Wilson and Fenske, revealed that a column packed with glass helices forming a layer 140-150 cm high is more efficient than the other dephlegmators tested. When the packing was divided into three sections separated by pieces of glass tubing, the height equivalent to one theoretical plate was 5.8 cm, i.e., the number of
(Engineering--Chemical, TT, v. 6, no. 6) (over)

61-16657

I. Kazanskii, B. A.
II. Liberman, A. L.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Venus-Danilova, E. D. and Bol'shukhin, A. I.
DEHYDRATION OF ALCOHOLS CONTAINING POLY-METHYLENE RINGS. [1961] [8]p. 46 refs.
Order from OTS or SLA $1.10 61-16617

Condensed trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 73-86

DESCRIPTORS: *Alcohols, Dehydration, *Methanes, Syntheses, Chemical reactions.

Research on dehydration of alcohols containing a naphthenic ring in the molecule is reported. From methylphenylcyclohexylcarbinol, methylphenylcyclohexylidenemethane was obtained under the action of anhydrous oxalic acid and from benzylcyclohexylcarbinol, benzylcyclohexylidenemethane from phenylhexahydrobenzylcarbinol, 1-phenyl-2-cyclohexylethylene was obtained; from methylcyclohexylcarbinol, ethylidenecyclohexane. Methylcyclopentylcarbinol could not be dehydrated with 30% sulfuric acid, potassium bisulfate or anhydrous or crystalline oxalic acid

61-16617

I Venus-Danilova, E. D.
II Bol'shukhin, A. I.

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(Chemistry--Physical, [illegible])

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Petrov, A. D. and Chel'tsova, M. A.
SYNTHESIS AND PROPERTIES OF AROMATIC AND NAPHTHENIC HYDROCARBONS WITH FROM 19 TO 26 CARBON ATOMS, II. [1961] 7p. 17 refs.
Order from OTS or SLA $1.10 61-16637

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 87-94.

DESCRIPTORS: *Fuel oil, *Benzenes, *Cyclohexanes, Naphthalenes, *Hydrocarbons, Synthesis, Chemical properties, Alkyl radicals.

Synthesis of 12 hydrocarbons with from 19 to 26 carbon atoms is reported, mainly monoalkylbenzenes and monoalkylcyclohexanes. Physical constants and the most important technical properties characterizing these hydrocarbons as Diesel fuel constituents have been evaluated. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16637

I. Petrov, A. D.
II. Chel'tsova, M. A.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Petrov, A. D. and Kaplan, E. P.
SYNTHESIS AND PROPERTIES OF ISOPARAFFIN HYDROCARBONS OF THE COMPOSITION C_{12}-C_{22}. COMMUNICATION 2. [1963] 9p. 13 refs.
Order from OTS or SLA $1.10 63-16801

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12 [no. 1/2] p. 99-105.
An abstract trans. is available from OTS or SLA $1.60 as 61-20323 [1961] 18p.

DESCRIPTORS: *Alkanes, *Alkenes, *Ethyl radicals, *Methyl radicals, *Butyl radicals, Hydrocarbons, Physical properties, Chemical properties, Bromides, Synthesis (Chemistry).

The following hydrocarbons were synthesized for the first time: 4,5-diethyloctane, 2,7-dimethyl-4,5-diethyloctane, 7,8-diethyltetradecane, 5,6-dibutyl-
(Chemistry--Organic, TT, v. 10, no. 7) (over)

63-16801

I. Petrov, A. D.
II. Kaplan, E. P.

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Kazanskii, B. A., Liberman, A. L. and others.
RELATIVE EFFICIENCIES OF LABORATORY FRACTIONATING OF VARIOUS CONSTRUCTIONS. [1963]
23p. 25 refs.
Order from OTS or SLA $2.60 63-16037

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. [illegible]
Another trans. is available from OTS or SLA $1.10 as 61-16657 [1961] 10p. and an abstract trans. $1.60 in 61-20323 [1961] 18p.

DESCRIPTORS: *Towers (Chemistry), *Distilling plants, Construction, Design, Effectiveness, *Fractionation.

For abstract see Technical Translations 6: 417, 1961.

(Engineering--Chemical, TT, v. 10, no. 6)

63-16037

I. Kazanskii, B. A.
II. Liberman, A. L.

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Balandin, A. A.
KINETICS OF CATALYTIC MONOMOLECULAR REACTIONS IN A FLOW SYSTEM, WITH DISCOUNT OF DISPLACEMENT THROUGH ALIEN SUBSTANCES. [1962] 8p. 10 refs.
Order from OTS or SLA $1.10 62-20386

Trans. of Zhur[nal] Obshchei Khim[ii] (USSR) 1942, v. 12, no. 3/4, p. 153-159.
An abstract trans. is available from OTS or SLA $1.10 in 61-20325 [1961] 5p.

DESCRIPTORS: *Reaction kinetics, *Catalysis, Fluids, Pressure, Dehydrogenation, Alcohols, Molecular isomerism.

A kinetic equation was deduced and solved for a general case mentioned in the title (steady state). Some admissible simplifications were examined. Re-
(Chemistry--Physical, TT, v. 9, no. 12) (over)

62-20386

I. Balandin, A. A.

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Theory of Heat Capacities of Ions in Solution, by A. F. Kapustinskiy, 10 pp.

RUSSIAN, mm bimo per, Zhur Obshch Khim, Vol XII, No 3-4, 1942, pp 186-192.

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Scientific - Chemistry

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APPROVED FOR RELEASE: 09/14/ 2001 CIA-RDP84-00581R000300910069-0

Medvedchuk, P. I., Aldoshin, T. D. and others.
REACTIONS OF IODINE, IODINE CHLORIDE AND THIOCYANOGEN WITH HYDROCARBONS OF NATURAL AND SYNTHETIC RUBBERS. [1961] 7p. 23 refs.
Order from OTS or SLA $1.10 61-16638

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 220-226

DESCRIPTORS: Iodine, Iodine compounds, Chlorides, Hydrocarbons, *Rubber, *Synthetic rubber, Chemical reactions, Thio radicals, Cyanogen.

Interaction of solutions of iodine, iodine chloride and thiocyanogen with solutions of natural and synthetic sodium-butadiene rubber were investigated. Data were obtained proving beyond doubt the analogous properties of the hydrocarbons investigated. However, their chemical activities differ, due to differences in structure. Addition products of halogens and thiocyanogen to
(Materials--Rubber, TT, v. 6, no. 6) (over)

61-16638

I. Medvedchuk, P. I.
II. Aldoshin, T. D.

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Nametkin, S. S. and Teneva, R. S.
NEUTRAL PRODUCTS OF OXIDATION OF PARAFFIN WAX WITH OXYGEN OF THE AIR [1961] 9p. 10 refs.
Order from OTS or SLA $1.10 61-16666

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 229-239.

DESCRIPTORS: *Synthetic waxes, Oxidation, Oxygen, Air, Aldehydes, Alcohols, Peroxides.

Investigation of the neutral products of oxidation of paraffin wax, with oxygen of the air established that they contain straight chain aldehydes from butyric to stearic, inclusive, and primary alcohols from propyl to octadecyl, inclusive. The mechanism of oxidation of paraffin wax with oxygen of the air is discussed, showing that the entire factual material available can be interpreted from the point of view of the peroxide theory. (Author)

(Chemistry--Physical, TT, v. 6, no. 6)

61-16666

I. Nametkin, S. S.
II. Teneva, R. S.

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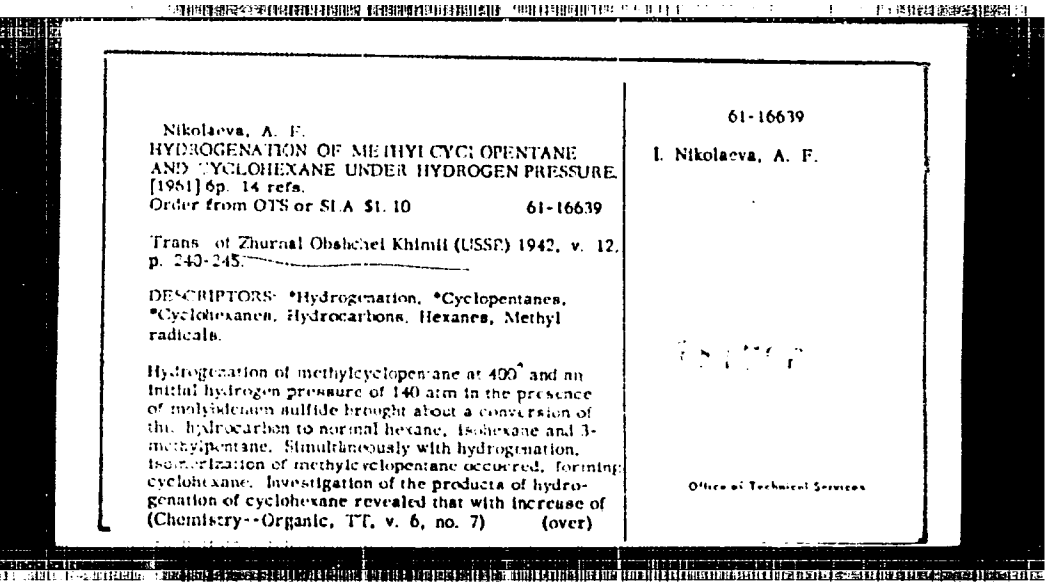

Nikolaeva, A. F.
HYDROGENATION OF METHYLCYCLOPENTANE AND CYCLOHEXANE UNDER HYDROGEN PRESSURE. [1961] 6p. 14 refs.
Order from OTS or SLA $1.10 61-16639

Trans. of Zhurnal Obshchei Khimii (USSR) 1942, v. 12, p. 240-245.

DESCRIPTORS: *Hydrogenation, *Cyclopentanes, *Cyclohexanes, Hydrocarbons, Hexanes, Methyl radicals.

Hydrogenation of methylcyclopentane at 400° and an initial hydrogen pressure of 140 atm in the presence of molybdenum sulfide brought about a conversion of the hydrocarbon to normal hexane, isohexane and 3-methylpentane. Simultaneously with hydrogenation, isomerization of methylcyclopentane occurred, forming cyclohexane. Investigation of the products of hydrogenation of cyclohexane revealed that with increase of
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-16639

I. Nikolaeva, A. F.

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